SHEET NO.

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS



08/20/04 INDEX.doc INDEX OF SHEETS (B-4096)SHEET NO. SUBJECT/DESCRIPTION TITLE SHEET. 1-A INDEX OF SHEETS, GENERAL NOTES AND LIST OF STANDARDS. 1-B CONVENTIONAL SYMBOLS. PAVEMENT SCHEDULE, WEDGING DETAIL, AND TYPICAL SECTIONS. TYPICAL SECTIONS. 2-A 2-B DETAILS OF TEMPORARY CROSSOVER AND WIDENING FOR MAINTENACE OF TRAFFIC. **2-C THRU 2-D** DETAIL OF REINFORCED BRIDGE APPROACH FILLS. 2-E DETAIL OF MODIFIED CONCRETE FLUME 2-F THRU 2-G DETAIL OF STRUCTURE ANCHOR UNITS 2-H THRU 2-K DETAIL OF GUARDRAIL INSTALLATION SUMMARY OF QUANTITIES. DRAINAGE SUMMARY. 3-A SUMMARY OF PAVEMENT REMOVAL, SUMMARY OF 3-B PAVEMENT BREAKUP, EARTHWORK SUMMARY **GUARDRAIL SUMMARY.** 3-C PLAN SHEET. TEMPORARY CROSS-OVER DETOURS 4-A Thru 4-B PROFILE SHEET. TCP-1 THRU TCP-15 TRAFFIC CONTROL PLANS. **PM-1** PAVEMENT MARKING PLANS. EC-1 THRU EC-4 EROSION CONTROL PLANS. **UO-1** UTILITIES BY OTHERS. X-1A CROSS SECTION EARTHWORK SUMMARY. **X-1 THRU X-8** CROSS SECTIONS. S-1 THRU S-30 STRUCTURE PLANS.

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GENERAL NOTES:

2002 SPECIFICATIONS EFFECTIVE: 01-15-02

**GRADE LINE:** 

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

#### **CLEARING:**

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD <u>III</u>.

#### SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.04 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

#### SHOULDER CONSTRUCTION:

ASPHALT AND EARTH SHOULDER CONSTRUCTION ON HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01.

### **GUARDRAIL:**

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

## TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

### SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

## **END BENTS:**

THE ENGINEER SHALL CHECK THE STRUCTURE END BENT PLANS, DETAILS, AND CROSS-SECTION PRIOR TO SETTING OF THE SLOPE STAKES FOR THE EMBANKMENT OR EXCAVATION APPROACHING A BRIDGE.

## **UTILITIES:**

UTILITY OWNERS ON THIS PROJECT ARE:

### **DUKE POWER**

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS.

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EFF. 01-15-02

#### ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch -N. C. Department of Transportation - Raleigh, N. C., Dated January 15, 2002 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE

**DIVISION 2 - EARTHWORK** 

200.03 Method of Clearing - Method III

225.01 Guide for Grading Subgrade - Interstate and Freeway

225.04 Method of Obtaining Superelevation - Two Lane Pavement

**DIVISION 3 - PIPE CULVERTS** 

300.01 Method of Pipe Installation - Method 'A'

**DIVISION 4 - MAJOR STRUCTURES** 

422.10 Reinforced Bridge Approach Fills

DIVISION 5 - SUBGRADE, BASES AND SHOULDERS

560.01 Method of Shoulder Construction - High Side of Superelevated Curve - Method I

DIVISION 6 - ASPHALT BASES AND PAVEMENTS

**DIVISION 8 - INCIDENTALS** 

654.01 Pavement Repairs

820.04 Drain Installation in Shoulder Berm Gutter

840.00 Concrete Base Pad for Drainage Structures

840.18 Concrete Median Drop Inlet Type 'B' - 12" thru 36" Pipe

840.22 Frames and Wide Slot Sag Grates

840.25 Anchorage for Frames - Brick or Concrete

840.27 Brick Median Drop Inlet Type 'B' - 12" thru 36" Pipe

840.29 Frames and Narrow Slot Flat Grates

840.36 Traffic Bearing Drop Inlet - for Steel (840.37) Double Frame and Grates

840.45 Precast Drainage Structure

840.66 Drainage Structure Steps

846.01 Concrete Curb, Gutter and Curb & Gutter

850.01 Concrete Paved Ditches

862.01 Guardrail Placement

876.01 Rip Rap in Channels

876.02 Guide for Rip Rap at Pipe Outlets

876.04 Drainage Ditches with Class 'B' Rip Rap